

Mine
File



STATE OF UTAH
DEPARTMENT OF HEALTH

NORMAN H. BANGERTE, GOVERNOR

SUZANNE DANDY, M.D., M.P.H., EXECUTIVE DIRECTOR

July 1, 1985

RECEIVED

JUL 03 1985

DIVISION OF OIL
GAS & MINING

Niels B. Haubold
Manager of Mines
Umetco Minerals Corp.
P. O. Box 1029
Grand Junction, Colorado 81502

ACT/037/043

Re: Construction Permit
Hecla Water Treatment

Dear Mr. Haubold:

We have completed our review of the Umetco Hecla mine water treatment system. Plans titled Hecla Shaft Water Treatment Plant and Hecla Shaft Topography and information of April 2, May 13 and June 13, 1985 were reviewed.

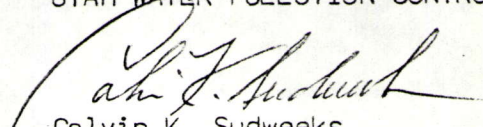
As a result of our review, it has been determined that the radium treatment system basically conforms with the State Wastewater Disposal Regulations. This letter constitutes a construction permit for the treatment system.

The system is to consist of two parallel columns containing three feet of Dow ion exchange resin to treat approximately 75 gpm of uranium mine wastewater. The effluent from the ion exchange columns is to contain less than 5 pci/l of radium and to be discharged to a series of three ponds on the Umetco lease. The ponds are to have slopes of approximately three horizontal to one vertical and have three feet of freeboard. The system also provides for the exchange columns to be backwashed with treated water from the ponds at 50 gpm.

The company shall schedule a final inspection of the system by contacting the Division Environmental Engineer, David Ariotli in Price 637-3671.

The effluent must be monitored monthly and a report submitted to this bureau for total radium, total Uranium, total dissolved solids and pH. If the system fails to meet State standards further treatment must be provided.

Sincerely,
UTAH WATER POLLUTION CONTROL COMMITTEE


Calvin K. Sudweeks
Executive Secretary

SRM:pa

cc: Southeastern District Health Dept.
Oil, Gas & Mining

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KENNETH L. ALKEMA, DIRECTOR • DIVISION OF ENVIRONMENTAL HEALTH